

**SYSTEM AND METHOD FOR PROVIDING HIGH DEFINITION MATERIAL  
ON A STANDARD DEFINITION COMPATIBLE MEDIUM**

**ABSTRACT OF THE INVENTION**

A system and method for recording and reconstructing a high definition video on  
5 a standard definition DVD. A recording system is provided that comprises: a system for  
scaling down an HD video to an SD video format; a system for encoding the SD video; a  
system for extracting enhancement information from the HD video; and a system for  
storing the SD video and the extracted enhancement information onto the SD compatible  
medium. A playback system is provided for reconstructing the HD video image from the  
10 standard definition SD format recording, comprising: a system for extracting and  
decoding SD data from the recording; a system for extracting enhancement information  
from the recording; a system for de-interlacing the decoded SD data; and a system for up-  
scaling and post-processing the decoded SD data with the enhancement information to  
generate the HD video image.